



**CSD-A280** LH

# SERVICE MANUAL

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CD STEREO RADIO  
CASSETTE RECORDER

BASIC TAPE MECHANISM : TN-21ZVC-2000  
BASIC CD MECHANISM : DA11T3C

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- Replace this Service manual with "Revision Publishing" when it is issued.

**aiwa**  
S/M Code No. 09-003-430-0T1

SIMPLE

DATA

## ELECTRICAL MAIN PARTS LIST - 1/5

NOTE: The characters in the suffix column indicate the part usage.

| REF.NO | PARTS NO.    | DESCRIPTION    | SUFFIX               |
|--------|--------------|----------------|----------------------|
| LHSC   | .....XX..... | .....A.....    |                      |
|        |              | KANRI          |                      |
|        |              | NO.            |                      |
| C      | 605          | 87-010-264-040 | CAP,E 100-10 5L      |
| C      | 601          | 87-010-313-080 | CAP, CHIP 18P        |
| C      | 602          | 87-010-315-080 | C-CAP,S 27P-50 CH    |
| C      | 604          | 87-010-317-010 | CHIP CAP,S 39P CH    |
| C      | 603          | 87-010-319-080 | C-CAP,S 56P-50 CH    |
| C      | 609          | 87-010-400-080 | CAP, ELECT 0.47-50V  |
| C      | 608          | 87-010-405-080 | CAP, ELECT 10-50V    |
| C      | 607          | 87-010-452-080 | CAPACITOR,1-16       |
| C      | 606          | 87-010-805-080 | CAP, S 1-16          |
| C      | 617          | 87-010-166-080 | C-CAP,S 100P-50 SL   |
| C      | 618          | 87-010-166-080 | C-CAP,S 100P-50 SL   |
| C      | 610          | 87-010-178-010 | CAP, S 1000P-50      |
| C      | 614          | 87-010-312-080 | C-CAP,S 15P-50 CH    |
| C      | 612          | 87-010-405-080 | CAP, ELECT 10-50V    |
| C      | 616          | 87-010-805-080 | CAP, S 1-16          |
| C      | 615          | 87-010-805-080 | CAP, S 1-16          |
| C      | 613          | 87-012-368-080 | C-CAP,S 0.1-50 F     |
| C      | 611          | 87-A10-189-040 | CAP,E 220-10         |
| CN     | 601          | 87-099-033-010 | 16P 6216 H           |
| CN     | 602          | 87-099-201-010 | CONN,8P 6216 H       |
| CNA    | 604          | 8A-CD9-623-010 | CONN ASSY,4P KEY     |
| D      | 608          | 87-020-465-080 | DIODE,1SS133 (110MA) |
| D      | 602          | 87-020-465-080 | DIODE,1SS133 (110MA) |
| D      | 604          | 87-020-465-080 | DIODE,1SS133 (110MA) |
| D      | 607          | 87-020-465-080 | DIODE,1SS133 (110MA) |
| D      | 601          | 87-020-465-080 | DIODE,1SS133 (110MA) |
| D      | 605          | 87-020-465-080 | DIODE,1SS133 (110MA) |
| D      | 606          | 87-070-345-080 | DIODE,IN4148         |
| IC     | 602          | 87-A20-650-010 | IC,RPM6938-V11       |
| IC     | 604          | 8A-CD9-610-010 | C-IC,LC865516A-***   |
| L      | 609          | 87-003-098-080 | COIL,2.2UH           |
| L      | 604          | 87-003-098-080 | COIL,2.2UH           |
| L      | 605          | 87-003-098-080 | COIL,2.2UH           |
| L      | 601          | 87-003-098-080 | COIL,2.2UH           |
| L      | 606          | 87-003-098-080 | COIL,2.2UH           |
| L      | 603          | 87-003-098-080 | COIL,2.2UH           |
| L      | 602          | 87-003-098-080 | COIL,2.2UH           |
| L      | 608          | 87-003-098-080 | COIL,2.2UH           |
| L      | 607          | 87-003-098-080 | COIL,2.2UH           |
| LED    | 602          | 88-CD6-630-010 | LED,934ID RED        |
| LED    | 606          | 88-CD6-630-010 | LED,934ID RED        |
| LED    | 608          | 88-CD6-630-010 | LED,934ID RED        |
| LED    | 607          | 88-CD6-630-010 | LED,934ID RED        |
| LED    | 603          | 88-CD6-630-010 | LED,934ID RED        |
| LED    | 611          | 87-CD8-616-010 | LED,SA36-11 HWA-11.0 |
| LED    | 610          | 88-CD6-631-010 | LED,934GD GRN        |
| Q      | 603          | 87-026-237-080 | CHIP-TR,DTC124XK     |
| Q      | 606          | 87-026-464-010 | TR,DTC114TS          |
| Q      | 608          | 87-026-464-010 | TR,DTC114TS          |
| Q      | 607          | 87-026-464-010 | TR,DTC114TS          |
| Q      | 604          | 89-317-403-080 | TR,2SC1740S          |
| Q      | 610          | 87-026-463-080 | TR,2SA933S (0.3W)    |
| Q      | 613          | 87-026-464-010 | TR,DTC114TS          |
| Q      | 646          | 87-026-291-080 | TR,DTC124XS          |
| S      | 609          | 87-A91-704-080 | SW,TACT EVQ 214 05R  |
| S      | 604          | 87-A91-704-080 | SW,TACT EVQ 214 05R  |
| S      | 602          | 87-A91-704-080 | SW,TACT EVQ 214 05R  |
| S      | 601          | 87-A91-704-080 | SW,TACT EVQ 214 05R  |
| S      | 605          | 87-A91-704-080 | SW,TACT EVQ 214 05R  |
| S      | 603          | 87-A91-704-080 | SW,TACT EVQ 214 05R  |
| S      | 611          | 87-A91-704-080 | SW,TACT EVQ 214 05R  |
| X      | 601          | 87-030-273-010 | VIB,XTAL 32.768K5PPM |
| X      | 602          | 87-030-376-080 | VIB,CER CSA5.76MG200 |
| CN     | 204          | 87-A60-685-010 | CONN,4P H WHT EH     |
| CN     | 605          | 87-A60-114-010 | CONN,4P H S2M-4WR    |
| CNA    | 203          | 8A-CD9-628-010 | CONN ASSY,3P MA-HP   |
| J      | 251          | 87-A60-569-010 | JACK,HTJ-035-18      |
| S      | 607          | 87-A91-704-080 | SW,TACT EVQ 214 05R  |
| S      | 608          | 87-A91-704-080 | SW,TACT EVQ 214 05R  |
| S      | 606          | 87-A91-704-080 | SW,TACT EVQ 214 05R  |
| S      | 615          | 87-A91-704-080 | SW,TACT EVQ 214 05R  |
| S      | 614          | 87-A91-704-080 | SW,TACT EVQ 214 05R  |
| C      | 902          | 87-010-192-080 | C-CAP, S 0.022-50 F  |
| C      | 903          | 87-010-192-080 | C-CAP, S 0.022-50 F  |
| C      | 901          | 87-010-192-080 | C-CAP, S 0.022-50 F  |
| C      | 904          | 87-010-192-080 | C-CAP, S 0.022-50 F  |
| CNA    | 901          | 8A-CD9-627-010 | CONN ASSY,3P PWR     |
| D      | 904          | 87-A40-465-010 | DIODE,FR202          |
| D      | 903          | 87-A40-465-010 | DIODE,FR202          |
| D      | 902          | 87-A40-465-010 | DIODE,FR202          |
| D      | 901          | 87-A40-465-010 | DIODE,FR202          |

## ELECTRICAL MAIN PARTS LIST - 2/5

|    |     |                |                             |        |
|----|-----|----------------|-----------------------------|--------|
| PR | 901 | 87-A90-092-080 | PROTECTOR, 2.5A 491         | A..... |
| SP | 901 | 87-CD6-213-010 | SPR-C, BATT (-)             | A..... |
| SP | 904 | 87-CD6-213-010 | SPR-C, BATT (-)             | A..... |
| SP | 902 | 87-CD6-213-010 | SPR-C, BATT (-)             | A..... |
| SP | 903 | 87-CD6-213-010 | SPR-C, BATT (-)             | A..... |
| C  | 211 | 87-010-805-080 | CAP, S 1-16                 | A..... |
| C  | 212 | 87-010-805-080 | CAP, S 1-16                 | A..... |
| C  | 215 | 87-016-460-080 | C-CAP, S 0.22-16 B          | A..... |
| C  | 216 | 87-016-460-080 | C-CAP, S 0.22-16 B          | A..... |
| C  | 239 | 87-010-197-080 | CAP, CHIP 0.01 DM           | A..... |
| C  | 232 | 87-010-213-080 | C-CAP, S 0.015-50 B         | A..... |
| C  | 231 | 87-010-213-080 | C-CAP, S 0.015-50 B         | A..... |
| C  | 237 | 87-010-408-080 | CAP, ELECT 47-50V           | A..... |
| C  | 236 | 87-016-669-080 | C-CAP, S 0.1-25 K B         | A..... |
| C  | 235 | 87-016-669-080 | C-CAP, S 0.1-25 K B         | A..... |
| C  | 234 | 87-A10-201-080 | C-CAP, S 0.33-16 KB         | A..... |
| C  | 233 | 87-A10-201-080 | C-CAP, S 0.33-16 KB         | A..... |
| C  | 240 | 87-010-197-080 | CAP, CHIP 0.01 DM           | A..... |
| C  | 310 | 87-010-248-080 | CAP, ELECT 220-10V          | A..... |
| C  | 483 | 87-012-156-080 | C-CAP, S 220P-50 CH         | A..... |
| C  | 484 | 87-012-156-080 | C-CAP, S 220P-50 CH         | A..... |
| C  | 819 | 87-010-426-080 | C-CAP, S 0.012-25 B         | A..... |
| C  | 820 | 87-010-426-080 | C-CAP, S 0.012-25 B         | A..... |
| D  | 310 | 87-020-465-080 | DIODE, 1SS133 (110MA)       | A..... |
| IC | 203 | 87-A21-520-040 | C-IC, M61509FP              | A..... |
| C  | 263 | 87-010-178-080 | CHIP CAP 1000P              | A..... |
| C  | 264 | 87-010-178-080 | CHIP CAP 1000P              | A..... |
| C  | 262 | 87-010-402-080 | CAP, ELECT 2.2-50V          | A..... |
| C  | 261 | 87-010-402-080 | CAP, ELECT 2.2-50V          | A..... |
| C  | 266 | 87-010-545-080 | CAP, ELECT 0.22-50V         | A..... |
| C  | 267 | 87-010-545-080 | CAP, ELECT 0.22-50V         | A..... |
| C  | 272 | 87-010-237-080 | CAP, ELECT 1000-16V         | A..... |
| C  | 271 | 87-010-237-080 | CAP, ELECT 1000-16V         | A..... |
| C  | 279 | 87-010-263-080 | CAP, ELECT 100-10V          | A..... |
| C  | 278 | 87-010-263-080 | CAP, ELECT 100-10V          | A..... |
| C  | 277 | 87-010-404-080 | CAP, ELECT 4.7-50V          | A..... |
| CN | 202 | 8A-CH4-689-010 | CONN, 3P V 2.5              | A..... |
| IC | 202 | 87-A21-090-010 | IC, LA4600                  | A..... |
| C  | 308 | 87-010-221-080 | CAP, ELECT 470-10V          | A..... |
| C  | 307 | 87-010-401-080 | CAP, ELECT 1-50V            | A..... |
| C  | 306 | 87-010-404-080 | CAP, ELECT 4.7-50V          | A..... |
| C  | 301 | 87-016-495-000 | CAP, E 3300-25 M SMG        | A..... |
| C  | 311 | 87-010-374-080 | CAP, ELECT 47-10V           | A..... |
| C  | 312 | 87-010-385-080 | CAP, ELECT 220-25V          | A..... |
| C  | 325 | 87-010-405-080 | CAP, ELECT 10-50V           | A..... |
| CN | 301 | 8A-CH4-689-010 | CONN, 3P V 2.5              | A..... |
| D  | 306 | 87-070-345-080 | DIODE, IN4148               | A..... |
| D  | 305 | 87-070-345-080 | DIODE, IN4148               | A..... |
| D  | 303 | 87-070-345-080 | DIODE, IN4148               | A..... |
| D  | 304 | 87-A40-648-080 | ZENER, MTZJ8.2A             | A..... |
| D  | 311 | 87-027-702-080 | DIODE, ZENER HZ6C2L (200MA) | A..... |
| Q  | 303 | 87-026-291-080 | TR, DTC124XS                | A..... |
| Q  | 305 | 87-026-462-080 | TR, 2SC1740 S (RS 0.3W)     | A..... |
| Q  | 302 | 87-026-463-080 | TR, 2SA933S (0.3W)          | A..... |
| Q  | 301 | 89-112-965-080 | TR, 2SA1296 (0.75W)         | A..... |
| Q  | 304 | 89-213-702-080 | TR, 2SB1370E                | A..... |
| Q  | 310 | 89-318-154-080 | TR, 2SC1815 (0.4W)          | A..... |
| C  | 30  | 87-010-260-080 | CAP, ELECT 47-25V           | A..... |
| C  | 801 | 87-010-248-080 | CAP, ELECT 220-10V          | A..... |
| C  | 807 | 87-010-405-080 | CAP, ELECT 10-50V           | A..... |
| C  | 809 | 87-010-405-080 | CAP, ELECT 10-50V           | A..... |
| C  | 808 | 87-010-405-080 | CAP, ELECT 10-50V           | A..... |
| C  | 805 | 87-012-365-080 | C-CAP, S 0.027-25VBK        | A..... |
| C  | 806 | 87-012-365-080 | C-CAP, S 0.027-25VBK        | A..... |
| C  | 812 | 87-010-178-080 | CHIP CAP 1000P              | A..... |
| C  | 811 | 87-010-178-080 | CHIP CAP 1000P              | A..... |
| C  | 816 | 87-010-180-080 | C-CER 1500P                 | A..... |
| C  | 817 | 87-010-180-080 | C-CER 1500P                 | A..... |
| C  | 810 | 87-010-405-080 | CAP, ELECT 10-50V           | A..... |
| C  | 823 | 87-010-178-080 | CHIP CAP 1000P              | A..... |
| C  | 829 | 87-010-178-080 | CHIP CAP 1000P              | A..... |
| C  | 824 | 87-010-178-080 | CHIP CAP 1000P              | A..... |
| C  | 821 | 87-010-401-080 | CAP, ELECT 1-50V            | A..... |
| C  | 822 | 87-010-401-080 | CAP, ELECT 1-50V            | A..... |
| C  | 830 | 87-010-178-080 | CHIP CAP 1000P              | A..... |
| C  | 831 | 87-010-198-080 | CAP, CHIP 0.022             | A..... |
| C  | 834 | 87-010-248-080 | CAP, ELECT 220-10V          | A..... |
| C  | 835 | 87-010-322-080 | C-CAP, S 100P-50 CH         | A..... |
| C  | 836 | 87-010-322-080 | C-CAP, S 100P-50 CH         | A..... |
| C  | 833 | 87-018-195-080 | CAP, CER 1200P-16V          | A..... |
| C  | 845 | 87-010-178-080 | CHIP CAP 1000P              | A..... |
| C  | 843 | 87-010-197-080 | CAP, CHIP 0.01 DM           | A..... |
| C  | 846 | 87-010-263-080 | CAP, ELECT 100-10V          | A..... |
| C  | 844 | 87-018-124-080 | CAP, CER 270P-50V           | A..... |
| C  | 852 | 87-010-178-080 | CHIP CAP 1000P              | A..... |
| C  | 851 | 87-010-186-080 | CAP, CHIP 4700P             | A..... |
| C  | 853 | 87-A11-145-080 | CAP, TC U 0.01-50 Z F       | A..... |

## ELECTRICAL MAIN PARTS LIST - 3/5

|    |     |                |                           |        |
|----|-----|----------------|---------------------------|--------|
| CN | 801 | 87-A60-110-010 | CONN, 4P V S2M-4W         | A..... |
| CN | 802 | 8A-CH4-687-010 | CONN, 4P V 2.5            | A..... |
| D  | 308 | 87-017-978-080 | DIODE, 1N4003             | A..... |
| D  | 309 | 87-070-345-080 | DIODE, 1N4148             | A..... |
| D  | 809 | 87-020-465-080 | DIODE, 1SS133 (110MA)     | A..... |
| D  | 808 | 87-070-345-080 | DIODE, 1N4148             | A..... |
| D  | 807 | 87-070-345-080 | DIODE, 1N4148             | A..... |
| D  | 810 | 87-020-465-080 | DIODE, 1SS133 (110MA)     | A..... |
| IC | 801 | 87-A21-431-010 | IC, BA4560N               | A..... |
| L  | 801 | 87-007-342-010 | COIL, OSC 85K BIAS        | A..... |
| Q  | 801 | 89-318-154-080 | TR, 2SC1815 (0.4W)        | A..... |
| Q  | 810 | 87-026-464-080 | TR, DTC114TS (0.3W)       | A..... |
| R  | 840 | 87-029-124-010 | RES, FUSE 2.2-1/4         | A..... |
| SW | 801 | 8Z-CD9-609-010 | SW, SL 1-6-2 PS62D01      | A..... |
| C  | 321 | 87-010-197-080 | CAP, CHIP 0.01 DM         | A..... |
| C  | 322 | 87-010-263-080 | CAP, ELECT 100-10V        | A..... |
| CN | 201 | 87-099-018-010 | CONN, 16P                 | A..... |
| CN | 302 | 8A-CD9-629-010 | CONN ASSY, 6P MA-TU       | A..... |
| D  | 32  | 87-027-607-080 | ZENER, HZ7B3L             | A..... |
| D  | 323 | 87-070-345-080 | DIODE, 1N4148             | A..... |
| Q  | 321 | 89-318-154-080 | TR, 2SC1815 (0.4W)        | A..... |
| Q  | 841 | 87-026-291-080 | TR, DTC124XS              | A..... |
| C  | 407 | 87-010-178-080 | CHIP CAP 1000P            | A..... |
| C  | 402 | 87-010-197-080 | CAP, CHIP 0.01 DM         | A..... |
| C  | 405 | 87-010-197-080 | CAP, CHIP 0.01 DM         | A..... |
| C  | 408 | 87-010-198-080 | CAP, CHIP 0.022           | A..... |
| C  | 404 | 87-010-248-080 | CAP, ELECT 220-10V        | A..... |
| C  | 409 | 87-010-248-080 | CAP, ELECT 220-10V        | A..... |
| C  | 403 | 87-010-263-080 | CAP, ELECT 100-10V        | A..... |
| C  | 406 | 87-010-374-080 | CAP, ELECT 47-10V         | A..... |
| C  | 401 | 87-010-403-080 | CAP, ELECT 3.3-50V        | A..... |
| C  | 418 | 87-010-213-080 | C-CAP, S 0.015-50 B       | A..... |
| C  | 410 | 87-010-263-080 | CAP, ELECT 100-10V        | A..... |
| C  | 412 | 87-010-401-080 | CAP, ELECT 1-50V          | A..... |
| C  | 414 | 87-010-405-080 | CAP, ELECT 10-50V         | A..... |
| C  | 416 | 87-010-545-080 | CAP, ELECT 0.22-50V       | A..... |
| C  | 417 | 87-012-157-080 | C-CAP, S 330P-50 CH       | A..... |
| C  | 413 | 87-016-369-080 | C-CAP, S 0.033-25 B K     | A..... |
| C  | 411 | 87-A11-177-080 | C-CAP, S 0.15-16 K B      | A..... |
| C  | 419 | 87-A11-608-080 | C-CAP, S 0.33-25 K B      | A..... |
| C  | 425 | 87-010-176-080 | C-CAP, S 680P-50 SL       | A..... |
| C  | 422 | 87-010-184-080 | CHIP CAPACITOR 3300P(K)   | A..... |
| C  | 429 | 87-010-186-080 | CAP, CHIP 4700P           | A..... |
| C  | 428 | 87-010-197-080 | CAP, CHIP 0.01 DM         | A..... |
| C  | 423 | 87-010-992-080 | C-CAP, S 0.047-25 B       | A..... |
| C  | 420 | 87-016-369-080 | C-CAP, S 0.033-25 B K     | A..... |
| C  | 424 | 87-016-460-080 | C-CAP, S 0.22-16 B        | A..... |
| C  | 421 | 87-A11-177-080 | C-CAP, S 0.15-16 K B      | A..... |
| C  | 426 | 87-A11-608-080 | C-CAP, S 0.33-25 K B      | A..... |
| C  | 439 | 87-010-178-080 | CHIP CAP 1000P            | A..... |
| C  | 434 | 87-010-184-080 | CHIP CAPACITOR 3300P(K)   | A..... |
| C  | 435 | 87-010-197-080 | CAP, CHIP 0.01 DM         | A..... |
| C  | 432 | 87-010-374-080 | CAP, ELECT 47-10V         | A..... |
| C  | 436 | 87-010-374-080 | CAP, ELECT 47-10V         | A..... |
| C  | 433 | 87-010-401-080 | CAP, ELECT 1-50V          | A..... |
| C  | 437 | 87-010-404-080 | CAP, ELECT 4.7-50V        | A..... |
| C  | 431 | 87-010-545-080 | CAP, ELECT 0.22-50V       | A..... |
| C  | 430 | 87-012-156-080 | C-CAP, S 220P-50 CH       | A..... |
| C  | 438 | 87-016-669-080 | C-CAP, S 0.1-25 K B       | A..... |
| C  | 441 | 87-010-197-080 | CAP, CHIP 0.01 DM         | A..... |
| C  | 442 | 87-010-313-080 | CAP, CHIP 18P             | A..... |
| C  | 448 | 87-010-315-080 | C-CAP, S 27P-50 CH        | A..... |
| C  | 445 | 87-012-368-080 | C-CAP, S 0.1-50 F         | A..... |
| C  | 447 | 87-012-368-080 | C-CAP, S 0.1-50 F         | A..... |
| C  | 446 | 87-012-368-080 | C-CAP, S 0.1-50 F         | A..... |
| C  | 455 | 87-010-247-080 | CAP, ELECT 100-50V        | A..... |
| C  | 459 | 87-010-263-080 | CAP, ELECT 100-10V        | A..... |
| C  | 458 | 87-010-312-080 | C-CAP, S 15P-50 CH        | A..... |
| C  | 457 | 87-010-312-080 | C-CAP, S 15P-50 CH        | A..... |
| C  | 450 | 87-012-140-080 | CAP 470P                  | A..... |
| C  | 451 | 87-012-156-080 | C-CAP, S 220P-50 CH       | A..... |
| C  | 463 | 87-010-197-080 | CAP, CHIP 0.01 DM         | A..... |
| C  | 461 | 87-010-197-080 | CAP, CHIP 0.01 DM         | A..... |
| C  | 462 | 87-010-248-080 | CAP, ELECT 220-10V        | A..... |
| C  | 467 | 87-010-263-080 | CAP, ELECT 100-10V        | A..... |
| C  | 465 | 87-010-404-080 | CAP, ELECT 4.7-50V        | A..... |
| C  | 469 | 87-012-154-080 | C-CAP, S 150P-50 CH       | A..... |
| C  | 466 | 87-012-368-080 | C-CAP, S 0.1-50 F         | A..... |
| C  | 460 | 87-015-819-080 | CAPACITOR, 0.01           | A..... |
| C  | 475 | 87-010-197-080 | CAP, CHIP 0.01 DM         | A..... |
| C  | 477 | 87-010-197-080 | CAP, CHIP 0.01 DM         | A..... |
| C  | 479 | 87-010-197-080 | CAP, CHIP 0.01 DM         | A..... |
| C  | 476 | 87-010-236-080 | CAP, E 1000-10 SME        | A..... |
| C  | 478 | 87-010-263-080 | CAP, ELECT 100-10V        | A..... |
| C  | 470 | 87-010-544-080 | CAP, ELECT 0.1-50V        | A..... |
| C  | 473 | 87-015-785-080 | CHIP CAPACITOR, 0.1FZ-25Z | A..... |
| C  | 474 | 87-015-785-080 | CHIP CAPACITOR, 0.1FZ-25Z | A..... |

## ELECTRICAL MAIN PARTS LIST - 4/5

|     |     |                |                             |        |
|-----|-----|----------------|-----------------------------|--------|
| C   | 472 | 87-015-785-080 | CHIP CAPACITOR, 0.1FZ-25Z   | A..... |
| C   | 471 | 87-015-785-080 | CHIP CAPACITOR, 0.1FZ-25Z   | A..... |
| C   | 480 | 87-010-221-080 | CAP, ELECT 470-10V          | A..... |
| C   | 482 | 87-010-405-080 | CAP, ELECT 10-50V           | A..... |
| C   | 481 | 87-010-405-080 | CAP, ELECT 10-50V           | A..... |
| C   | 489 | 87-012-368-080 | C-CAP,S 0.1-50 F            | A..... |
| C   | 494 | 87-010-197-080 | CAP, CHIP 0.01 DM           | A..... |
| C   | 490 | 87-012-368-080 | C-CAP,S 0.1-50 F            | A..... |
| C   | 506 | 87-010-322-080 | C-CAP,S 100P-50 CH          | A..... |
| C   | 505 | 87-010-322-080 | C-CAP,S 100P-50 CH          | A..... |
| C   | 502 | 87-010-322-080 | C-CAP,S 100P-50 CH          | A..... |
| C   | 503 | 87-010-322-080 | C-CAP,S 100P-50 CH          | A..... |
| C   | 504 | 87-010-322-080 | C-CAP,S 100P-50 CH          | A..... |
| C   | 501 | 87-012-368-080 | C-CAP,S 0.1-50 F            | A..... |
| C   | 510 | 87-016-669-080 | C-CAP,S 0.1-25 K B          | A..... |
| CN  | 205 | 87-A60-109-010 | CONN,2P V S2M-2W            | A..... |
| CN  | 403 | 87-099-201-010 | CONN,8P 6216 H              | A..... |
| CN  | 401 | 87-A60-424-010 | CONN,16P V TOC-B            | A..... |
| CNA | 402 | 8A-CD9-625-010 | CONN ASSY,6P CD-ME          | A..... |
| D   | 401 | 87-070-345-080 | DIODE,IN4148                | A..... |
| D   | 402 | 87-070-345-080 | DIODE,IN4148                | A..... |
| D   | 403 | 87-070-345-080 | DIODE,IN4148                | A..... |
| IC  | 401 | 87-A20-446-010 | C-IC,LA9241ML               | A..... |
| IC  | 402 | 87-A20-459-010 | C-IC,LC78622ED              | A..... |
| IC  | 404 | 87-A21-093-010 | IC,LA6541D                  | A..... |
| L   | 401 | 87-003-102-080 | COIL, 10UH                  | A..... |
| L   | 404 | 87-003-152-080 | COIL, 100UH                 | A..... |
| Q   | 408 | 87-026-295-080 | TR,DTC144TK                 | A..... |
| Q   | 403 | 87-026-295-080 | TR,DTC144TK                 | A..... |
| Q   | 407 | 87-026-295-080 | TR,DTC144TK                 | A..... |
| Q   | 406 | 87-026-295-080 | TR,DTC144TK                 | A..... |
| Q   | 401 | 89-109-332-380 | TR,2SA933RS                 | A..... |
| Q   | 402 | 89-113-187-080 | TR,2SA1318TU                | A..... |
| SFR | 430 | 87-024-437-080 | SFR100K,RH063EC             | A..... |
| X   | 401 | 8Z-CD5-633-010 | VIB, CER16.93MHZ FCR16.93M2 | A..... |
| C   | 491 | 87-010-197-080 | CAP, CHIP 0.01 DM           | A..... |
| C   | 492 | 87-010-221-080 | CAP, ELECT 470-10V          | A..... |
| D   | 494 | 87-070-345-080 | DIODE,IN4148                | A..... |
| D   | 491 | 87-070-345-080 | DIODE,IN4148                | A..... |
| Q   | 492 | 87-026-291-080 | TR,DTC124XS                 | A..... |
| Q   | 491 | 89-112-965-080 | TR,2SA1296 (0.75W)          | A..... |
| C   | 9   | 87-010-154-080 | CAP CHIP 10P                | A..... |
| C   | 8   | 87-010-197-080 | CAP, CHIP 0.01 DM           | A..... |
| C   | 1   | 87-010-314-080 | C-CAP,S 22P-50V             | A..... |
| C   | 3   | 87-010-317-080 | C-CAP,S 39P-50 CH           | A..... |
| C   | 2   | 87-010-318-080 | C-CAP,S 47P-50 CH           | A..... |
| C   | 6   | 87-010-378-080 | CAP, ELECT 10-16V           | A..... |
| C   | 7   | 87-018-208-080 | CAP 0.047-50F               | A..... |
| C   | 13  | 87-010-148-080 | CAP, CHIP S 75P SL          | A..... |
| C   | 11  | 87-010-154-080 | CAP CHIP 10P                | A..... |
| C   | 16  | 87-010-178-080 | CHIP CAP 1000P              | A..... |
| C   | 19  | 87-010-196-080 | CHIP CAPACITOR,0.1-25       | A..... |
| C   | 15  | 87-010-197-080 | CAP, CHIP 0.01 DM           | A..... |
| C   | 10  | 87-010-197-080 | CAP, CHIP 0.01 DM           | A..... |
| C   | 12  | 87-010-314-080 | C-CAP,S 22P-50V             | A..... |
| C   | 14  | 87-012-141-080 | CHIP-CAPACITOR,0.22-16F     | A..... |
| C   | 17  | 87-016-669-080 | C-CAP,S 0.1-25 K B          | A..... |
| C   | 25  | 87-010-197-080 | CAP, CHIP 0.01 DM           | A..... |
| C   | 22  | 87-010-197-080 | CAP, CHIP 0.01 DM           | A..... |
| C   | 24  | 87-010-197-080 | CAP, CHIP 0.01 DM           | A..... |
| C   | 20  | 87-010-400-080 | CAP, ELECT 0.47-50V         | A..... |
| C   | 21  | 87-010-403-080 | CAP, ELECT 3.3-50V          | A..... |
| C   | 29  | 87-010-992-080 | C-CAP,S 0.047-25 B          | A..... |
| C   | 28  | 87-010-992-080 | C-CAP,S 0.047-25 B          | A..... |
| C   | 26  | 87-012-141-080 | CHIP-CAPACITOR,0.22-16F     | A..... |
| C   | 27  | 87-012-141-080 | CHIP-CAPACITOR,0.22-16F     | A..... |
| C   | 32  | 87-010-197-080 | CAP, CHIP 0.01 DM           | A..... |
| C   | 34  | 87-010-197-080 | CAP, CHIP 0.01 DM           | A..... |
| C   | 33  | 87-010-197-080 | CAP, CHIP 0.01 DM           | A..... |
| C   | 30  | 87-010-248-080 | CAP, ELECT 220-10V          | A..... |
| C   | 31  | 87-010-379-080 | CAP, ELECT 22-16V           | A..... |
| C   | 37  | 87-012-155-080 | C-CAP 180P-50CH             | A..... |
| CF  | 1   | 87-008-261-010 | FILTER, SFE10.7MA5-A        | A..... |
| CF  | 2   | 87-008-261-010 | FILTER, SFE10.7MA5-A        | A..... |
| CF  | 1   | 87-A90-128-010 | FLTR,AM IF CFAL-455         | A..... |
| D   | 4   | 87-020-465-080 | DIODE,1SS133 (110MA)        | A..... |
| D   | 1   | 87-020-465-080 | DIODE,1SS133 (110MA)        | A..... |
| D   | 2   | 87-020-465-080 | DIODE,1SS133 (110MA)        | A..... |
| D   | 3   | 87-A40-128-080 | C-VARI-CAP,HVU202A          | A..... |
| IC  | 1   | 87-A20-955-010 | IC,LA1828                   | A..... |
| L   | 9   | 87-A50-334-010 | COIL,FM DET (TOKO)          | A..... |
| L   | 8   | 87-A50-335-010 | COIL,FM IFT (TOKO)          | A..... |
| L   | 7   | 87-A50-336-010 | COIL,AM IFT (TOKO)          | A..... |
| L   | 6   | 87-A50-337-010 | COIL,AM OSC (TOKO)          | A..... |
| L   | 5   | 87-A50-342-010 | COIL,FM OSC D               | A..... |
| L   | 4   | 87-A50-345-010 | COIL,FM RF EX               | A..... |
| L   | 2   | 87-A50-346-010 | COIL,FM BPF D               | A..... |

ELECTRICAL MAIN PARTS LIST - 5/5

|    |    |                |                         |        |
|----|----|----------------|-------------------------|--------|
| L  | 3  | 87-A50-350-010 | COIL,BAR ANT AMN (COI)  | A..... |
| L  | 10 | 87-005-849-080 | COIL,10UH (CECS)        | A..... |
| Q  | 3  | 87-026-230-080 | CHIP-TR,DTA114YK        | A..... |
| Q  | 2  | 89-327-125-080 | CHIP TR,2SC2712GR       | A..... |
| Q  | 1  | 89-327-143-080 | TR,2SC2714 (0.1W)       | A..... |
| S  | 1  | 87-A91-548-010 | SW,SL-2-3 SK23E01G06    | A..... |
| VC | 1  | 87-A91-315-010 | TUN-CAP,40P-140P D(TWD) | A..... |

# MECHANICAL PARTS LIST - 1/1

NOTE: The characters in the suffix column indicate the part usage.

|        |                |                |                            |        |
|--------|----------------|----------------|----------------------------|--------|
| LHSC   | .....          | XX             | .....                      | A      |
|        |                | KANRI          |                            |        |
| REF.NO | PARTS NO.      | NO.            | DESCRIPTION                | SUFFIX |
|        | 87-B00-010-010 |                | BADGE,AIWA 30.5-5.2 S 2.5L | A      |
|        | 8A-CD9-005-010 |                | CHAS,CD A                  | A      |
|        | 8A-CD9-007-010 |                | WINDOW,CD                  | A      |
|        | 8A-CD9-008-010 |                | BOX,CASS                   | A      |
|        | 8A-CD9-009-010 |                | WINDOW,CASS                | A      |
|        | 8A-CD9-011-010 |                | HANDL,ARM                  | A      |
|        | 8A-CD9-012-010 |                | HANDL,GRIP                 | A      |
|        | 8A-CD9-013-010 |                | PANEL,VOL                  | A      |
|        | 8A-CD9-022-010 |                | LENS,LED                   | A      |
|        | 8A-CD9-023-010 |                | POINTER,TU                 | A      |
|        | 8A-CD9-024-010 |                | KEY,CASS TN21              | A      |
|        | 8A-CD9-034-010 |                | WINDOW,TU U                | A      |
|        | 8A-CDK-001-010 |                | WINDOW,LED RC              | A      |
|        | 8A-CDK-003-010 |                | BOX,CD K-LH                | A      |
|        | 8Z-CDB-169-010 |                | PANEL,CD SANYO             | A      |
| *      | 8A-CD9-004-010 |                | CABI,REAR B1               | A      |
| *      | 8A-CD9-010-010 |                | LID,BATT                   | A      |
| *      | 8A-CD9-062-010 |                | CABI,FR B1 ASSY            | A      |
|        | 8A-CD9-014-010 |                | BTN,VOL                    | A      |
|        | 8A-CD9-017-010 |                | BTN,QSOUND                 | A      |
|        | 8A-CD9-018-010 |                | CAP, CD A                  | A      |
|        | 8A-CD9-019-010 |                | CAP, CD B                  | A      |
|        | 8A-CD9-020-010 |                | BTN,REPEAT                 | A      |
|        | 8A-CD9-021-010 |                | BTN,EQ                     | A      |
|        | 8A-CD9-026-010 |                | KNOB,RTRY TU               | A      |
|        | 8A-CD9-027-010 |                | KNOB,SL BAND               | A      |
|        | 84-CD5-215-010 |                | GEAR                       | A      |
|        | 84-CD5-216-010 |                | BRACKET                    | A      |
|        | 84-CD5-217-010 |                | PLATE,MAGNET               | A      |
|        | 86-CT4-218-010 |                | CUSHION,FOOT/PORON         | A      |
|        | 87-036-368-010 |                | MAGNET                     | A      |
|        | 87-CD6-213-010 |                | SPR-C,BATT (-)             | A      |
|        | 8A-CD9-206-010 |                | GEAR,TU A                  | A      |
|        | 8A-CD9-207-010 |                | GEAR,TU B                  | A      |
|        | 8A-CD9-208-010 |                | DRUM,TU                    | A      |
|        | 8A-CD9-209-010 |                | LEVER,BAND A               | A      |
|        | 8A-CD9-223-010 |                | SPR-P,REC TN21             | A      |
|        | 8A-CD9-231-010 |                | SPR-T,CD                   | A      |
|        | 8A-CD9-232-010 |                | SPR-T,CASS                 | A      |
|        | 8A-CH4-211-010 |                | COVER, HLDR PT             | A      |
|        | 8Z-CH4-211-010 |                | BASE,CHUCK                 | A      |
|        | 8Z-CH4-212-010 |                | RING,CHUCK                 | A      |
|        | 8Z-CH4-225-010 |                | HLDR,CHUCK A(S)            | A      |
| *      | 8A-CD9-201-010 |                | HLDR,DISPLAY               | A      |
| *      | 8A-CD9-202-010 |                | GUIDE,LED                  | A      |
| *      | 8A-CD9-203-010 |                | GUIDE,VOL                  | A      |
| *      | 8A-CD9-205-010 |                | GUIDE,GEAR                 | A      |
| *      | 8A-CD9-211-010 |                | HLDR,PWB L                 | A      |
| *      | 8A-CD9-212-010 |                | HLDR,PWB R                 | A      |
| *      | 8A-CD9-221-010 |                | HLDR,ANT                   | A      |
| *      | 8A-CD9-222-010 |                | HLDR,SPEAKER               | A      |
| *      | 8A-CH4-209-010 |                | HLDR,PT                    | A      |
|        | 87-067-566-010 |                | TAPPING SCREW, VFTT+3-6    | A      |
|        | 87-251-073-410 |                | SCREW,U+2.6-6              | A      |
|        | 87-255-096-410 |                | U+3-10 NI                  | A      |
|        | 87-342-074-010 |                | UT2+2.6-8                  | A      |
|        | 87-352-075-210 |                | VT2+2.6-10                 | A      |
|        | 87-571-032-410 |                | VIT+2-3                    | A      |
|        | 87-571-033-410 |                | TAPPING SCREW, VIT+2-4     | A      |
|        | 87-661-095-410 |                | VFT1+3-8                   | A      |
|        | 87-661-097-410 |                | TAPPING SCREW, VFT1+3-12   | A      |
|        | 87-741-096-410 |                | UT2+3-10                   | A      |
|        | 87-B10-239-010 |                | QT2+3-8 W/O CR             | A      |
|        | 87-B10-242-010 |                | UT2+3-30 W/O CR            | A      |
|        | 87-B10-269-010 |                | UT2+3-12 W/O CR            | A      |
|        | 87-WA5-253-010 |                | W,3.3-10-0.8               | A      |
| *      | 87-751-094-410 |                | VT2+3-6 W10SL0T            | A      |
| *      | 87-035-347-010 |                | FUSE,2.5A 250V T           | A      |
| *      | 87-036-389-010 |                | SW,PUSH LOCK               | A      |
| *      | 87-A60-178-010 |                | JACK,AC E W/SW             | A      |
| *      | 87-A91-369-010 |                | SW,AC SL 2 2 2 SDKGA41700  | A      |
| *      | 8Z-CH4-640-010 |                | ANT,ROD                    | A      |
| CNA    | 0              | 8A-CD9-626-010 | CONN ASSY,2P DOOR          | A      |
| CNA    | 0              | 8A-CD9-630-010 | CONN ASSY,4P RPH           | A      |
| CNA    | 0              | 8A-CD9-631-010 | CONN ASSY,4P TP-ME         | A      |
| CNA    | 0              | 8A-CD9-633-010 | CONN ASSY,4P SP            | A      |
| FC     | 902            | 87-033-213-010 | CLAMP,FUSE SMK             | A      |
| FC     | 901            | 87-033-213-010 | CLAMP,FUSE SMK             | A      |
| PT     | 0              | 8A-CD9-604-010 | PT,H 4.5WT04541A           | A      |
| SP     | 0              | 88-CD5-602-010 | SPKR 4'3.2                 | A      |
| W      | 0              | 8A-CD9-620-010 | FF-CABLE, 16P FR-MAIN      | A      |
| W      | 0              | 8A-CD9-621-010 | FF-CABLE, 16P CD-RF        | A      |
| W      | 0              | 8A-CD9-622-010 | FF-CABLE, 8P CD-FR         | A      |

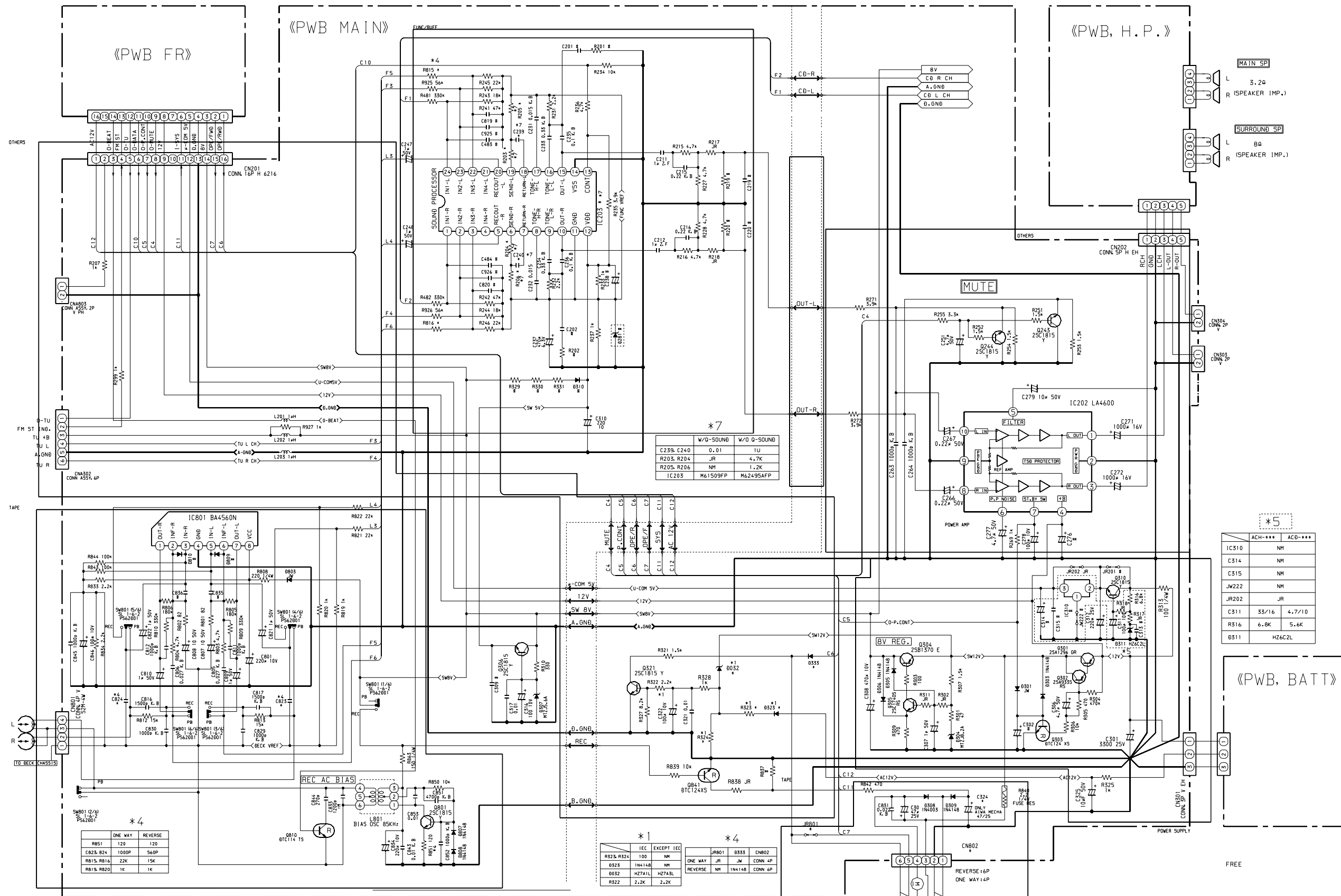
ACCESSORIES / PACKAGE LIST - 1/1

NOTE: The characters in the suffix column indicate the part usage.

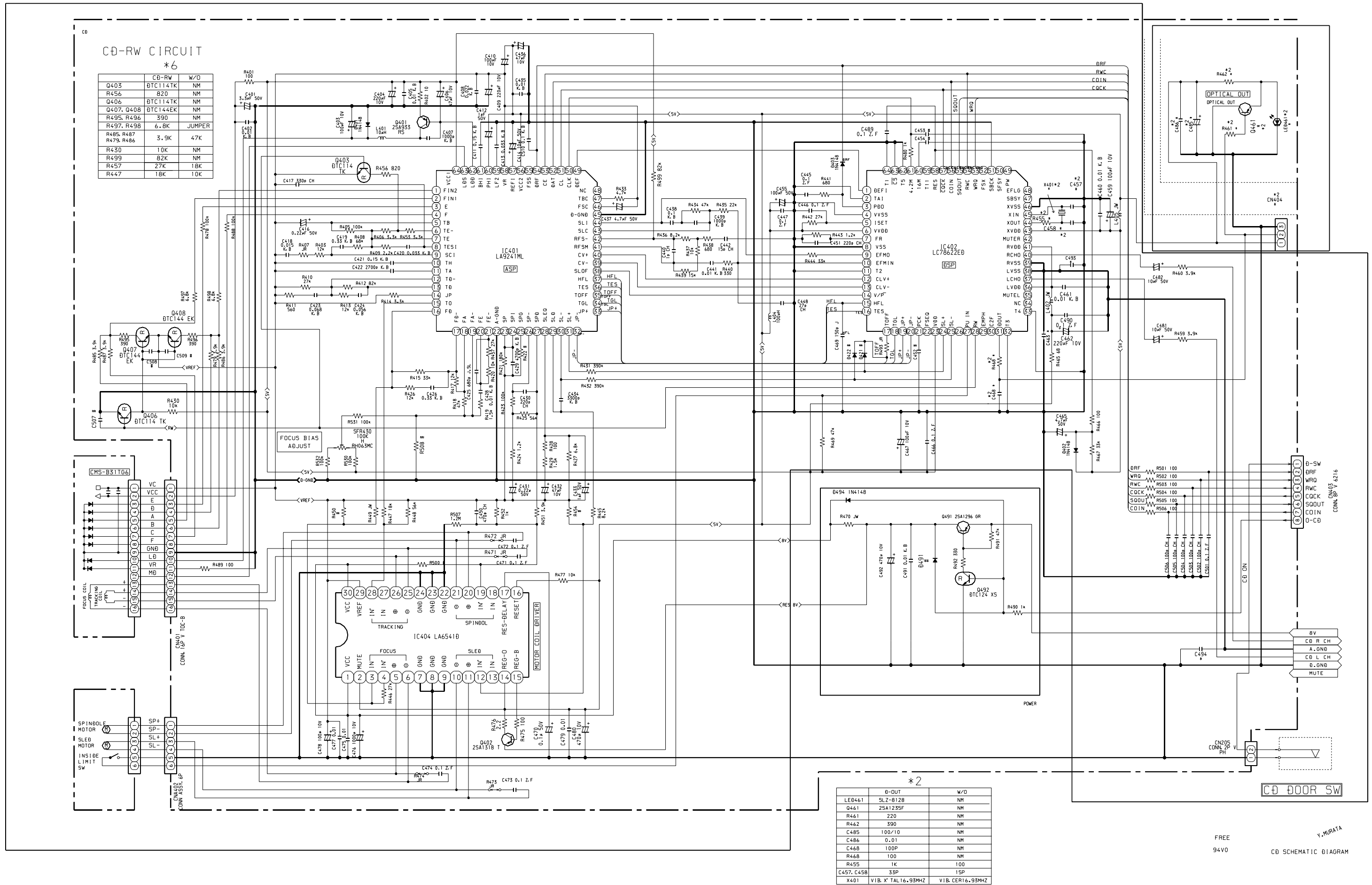
|            |                |                                |        |
|------------|----------------|--------------------------------|--------|
| LHSC ..... | XX.....        | A.....                         |        |
|            | KANRI          |                                |        |
| REF.NO     | PARTS NO.      | DESCRIPTION                    | SUFFIX |
|            | 8A-CD9-902-010 | IB, LH (ESP) B                 | A..... |
|            | 87-A80-036-010 | AC CORD SET ASSY, E W/FLTR VOL | A..... |
|            | 87-A90-312-010 | PLUG, CONVERSION WTN-1157R1    | A..... |
|            | 8Z-CD5-634-010 | COVER, AC SOCKET               | A..... |
|            | 8Z-CDK-962-010 | RC UNIT, RC-ZAT02 (VS)         | A..... |



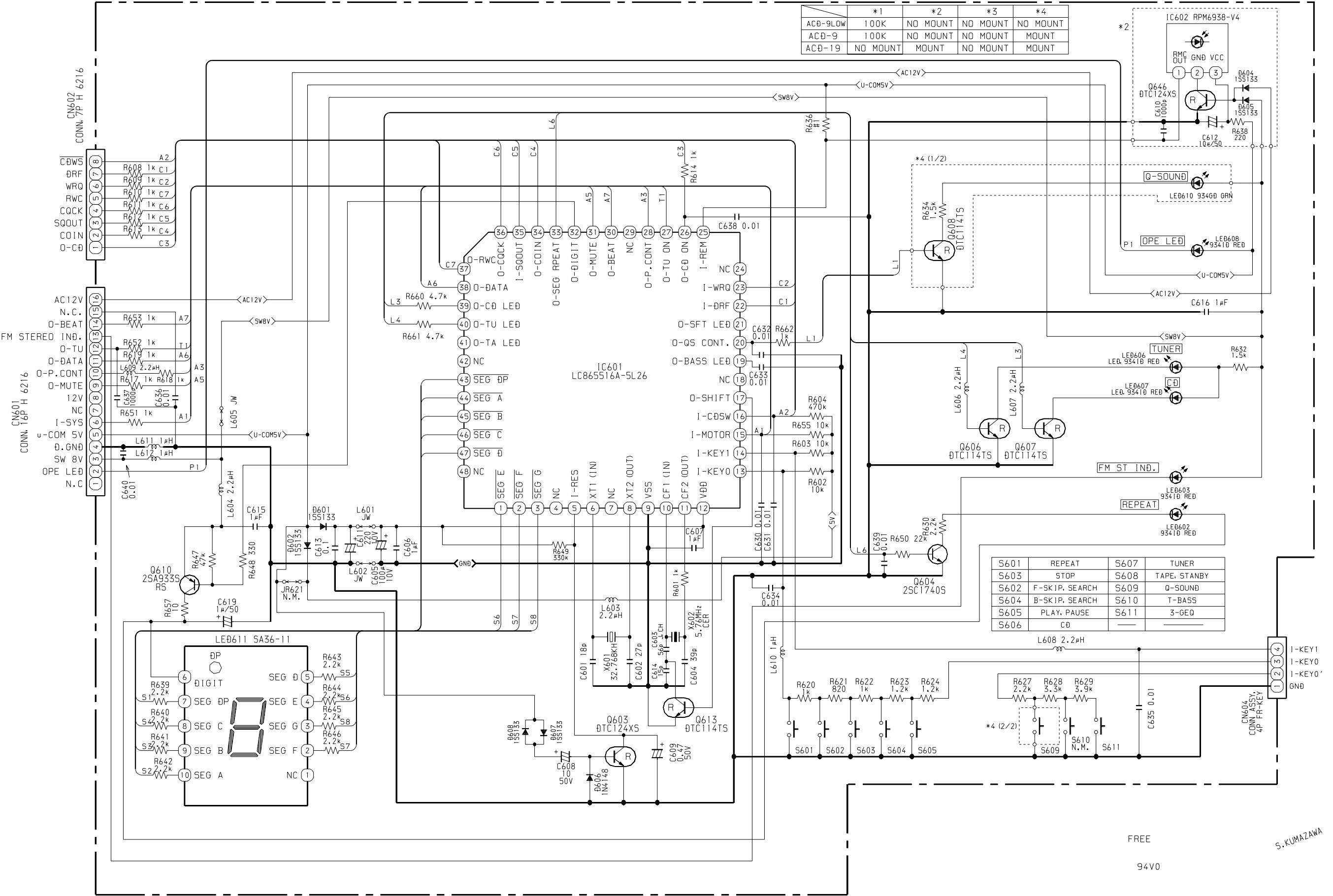
### SCHEMATIC DIAGRAM - 1 (MAIN : AMP)



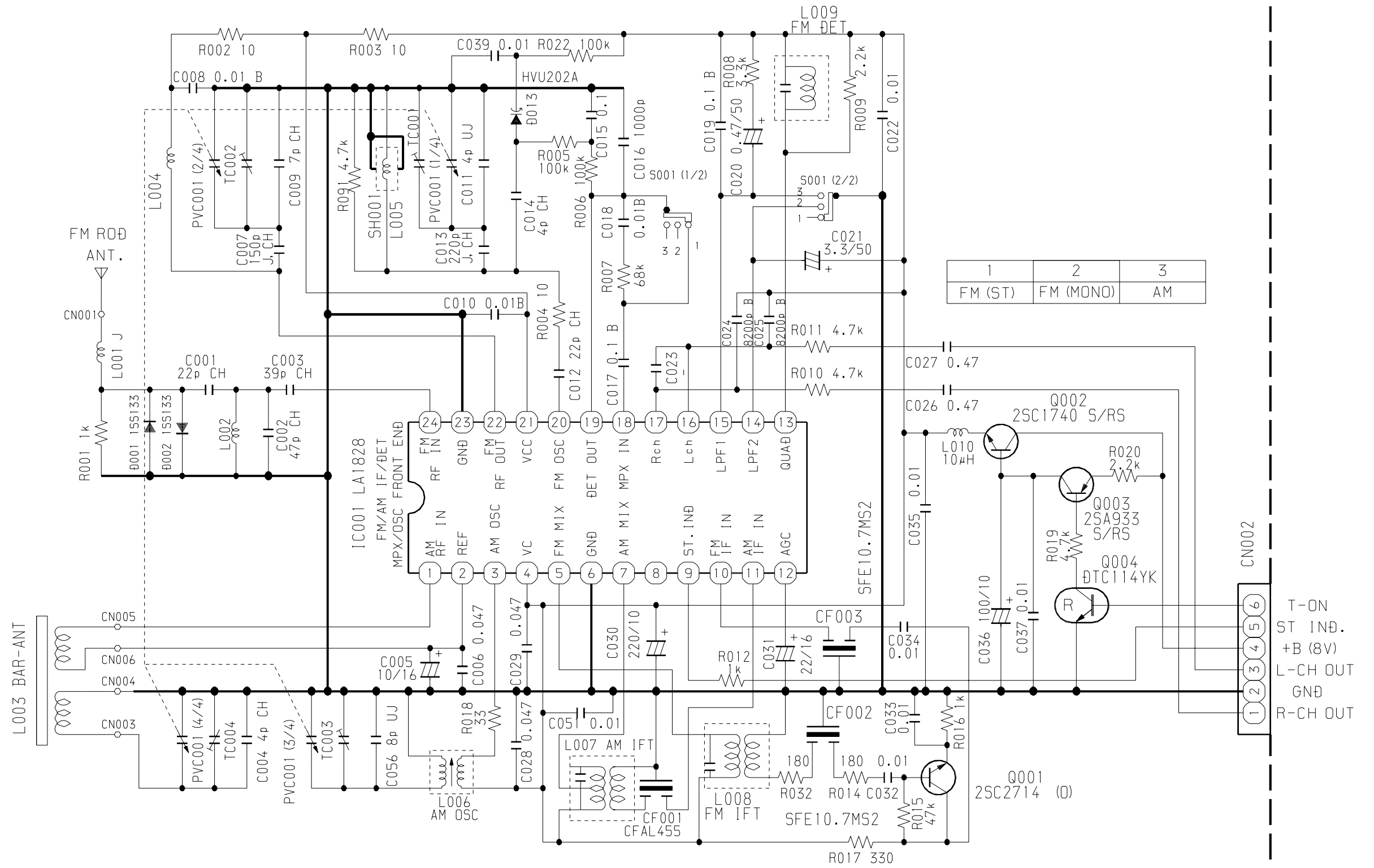
SCHEMATIC DIAGRAM - 2 (MAIN : CD)

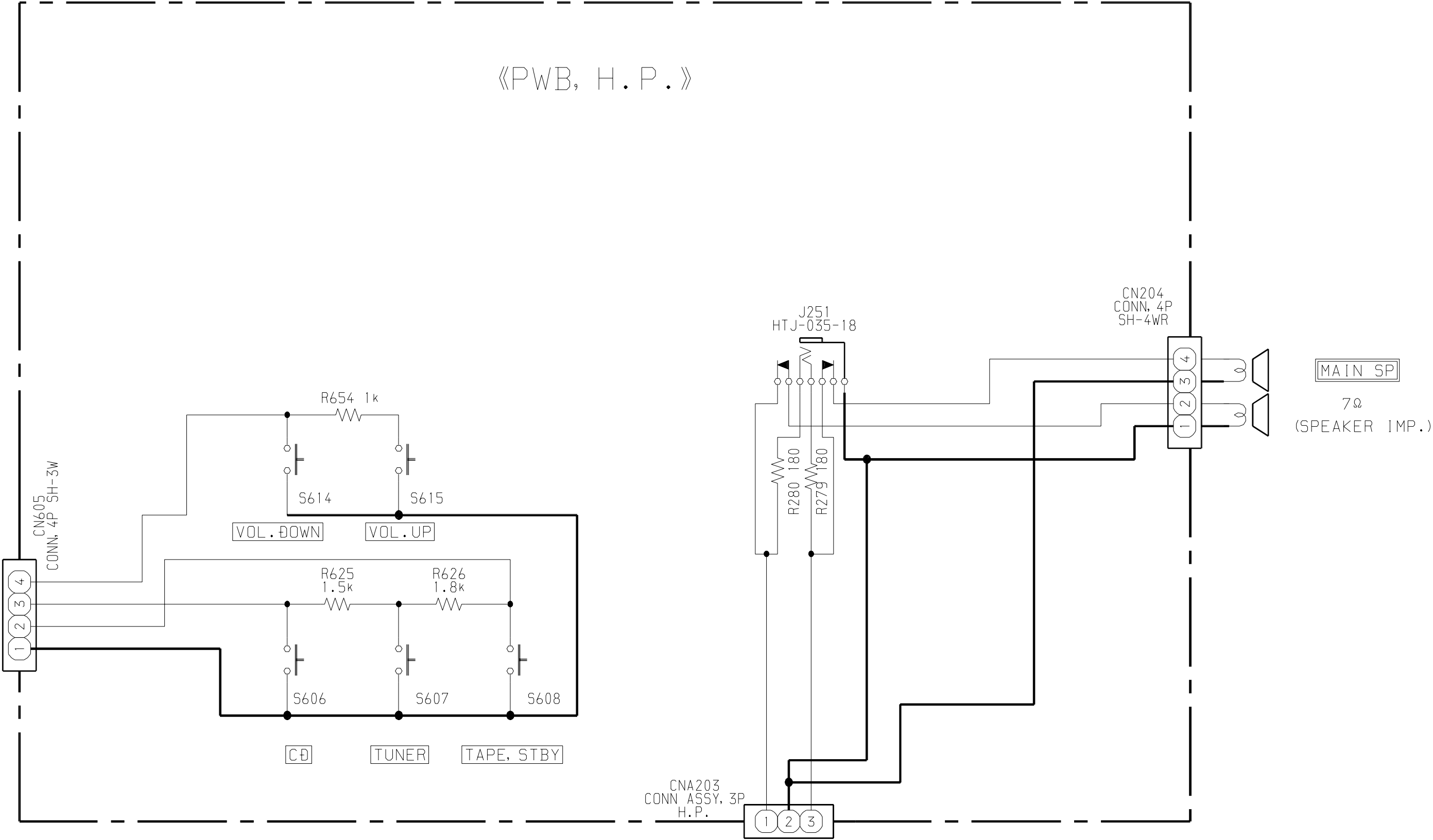


SCHEMATIC DIAGRAM - 3 (FRONT)

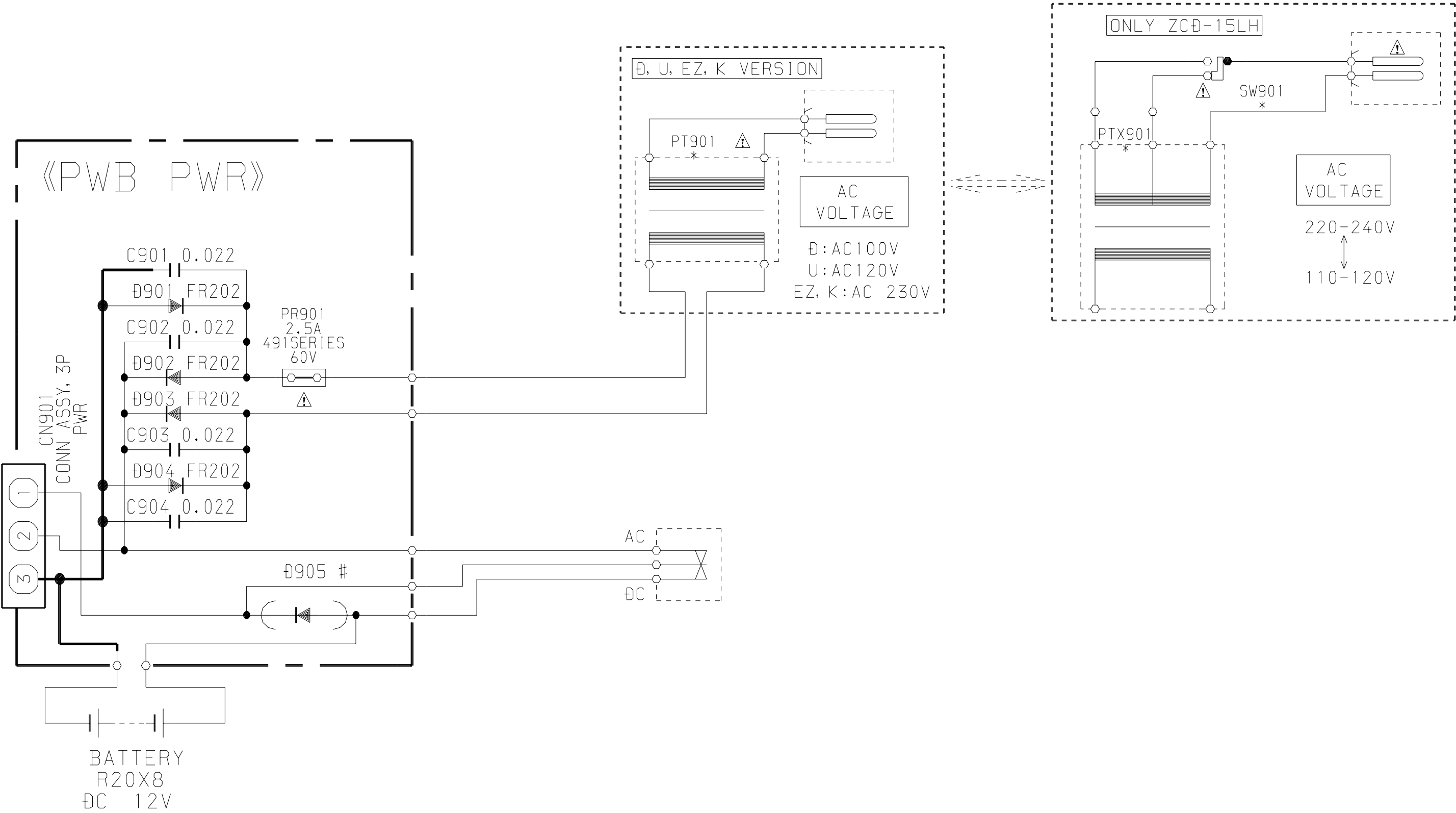


### SCHEMATIC DIAGRAM - 4 (TUNER)





SCHEMATIC DIAGRAM - 6 (POWER)



**アイワ株式会社** 〒110-8710 東京都台東区池之端1-2-11 ☎03(3827)3111 (代表)  
**AIWA CO.,LTD.** 2-11, IKENOHATA 1-CHOME, TAITO-KU, TOKYO 110, JAPAN TEL:03 (3827) 3111